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This listing of claims will replace all prior versions and listings of the claims in the application:

Listing of the Claims:

- 1. (Previously presented): A heating device for controllably heating an article, the heating device defining a processing chamber to hold the article and comprising:
 - a) a housing including:

a susceptor portion surrounding at least a portion of the processing chamber; and

a conductor portion interposed between the susceptor portion and the processing chamber; and

- b) an EMF generator configured to induce eddy currents within the susceptor portion such that substantially no eddy currents are induced in the conductor portion;
- c) wherein the conductor portion is operative to conduct heat from the susceptor portion to the processing chamber; and
- d) wherein eddy currents induced by the EMF generator are present in the susceptor portion and substantially no eddy currents are present in the conductor portion.

2. (Canceled)

- 3. (Original): The heating device of Claim 1 wherein the susceptor portion includes a susceptor core of a first material and a susceptor coating of a second material.
- 4. (Original): The heating device of Claim 3 wherein the first material is graphite.

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- 5. (Original): The heating device of Claim 3 wherein the second material is SiC.
- 6. (Original): The heating device of Claim 3 wherein the second material is selected from the group consisting of refractory metal carbides.
- 7. (Original): The heating device of Claim 6 wherein the second material is TaC.
- 8. (Original): The heating device of Claim 1 wherein substantially all surfaces of the conductor portion in fluid communication with the processing chamber are formed of SiC.
- 9. (Original): The heating device of Claim 8 wherein the conductor portion includes a conductor core of a first material and a conductor coating of a second material different from the first material.
- 10. (Original): The heating device of Claim 9 wherein the first material is graphite.
- 11. (Original): The heating device of Claim 9 wherein the second material is a refractory metal carbide.
- 12. (Original): The heating device of Claim 9 wherein the second material is SiC.
 - 13. (Previously presented): The heating device of Claim 1 wherein:
 - a) the susceptor portion includes a first susceptor portion and a second susceptor portion disposed on opposed sides of the processing chamber; and

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- b) the conductor portion includes a first liner disposed between the first susceptor portion and the processing chamber and a second liner disposed between the second susceptor portion and the processing chamber.
- 14. (Original): The heating device of Claim 13 wherein the second susceptor portion includes a platter region, the heating device further including:

a platter adapted to support the article disposed in the processing chamber and overlying the platter region; and

an opening defined in the second liner and overlying the platter region and interposed between the platter region and the platter.

- 15. (Currently amended): A heating device for controllably heating an article, the heating device defining a processing chamber to hold the article and comprising:
 - a) a housing including:

a susceptor portion surrounding at least a portion of the processing chamber; and

a conductor portion interposed between the susceptor portion and the processing chamber; and

- b) an EMF generator configured to induce eddy currents within the susceptor portion such that substantially no eddy currents are induced in the conductor portion;
- c) wherein the conductor portion is operative to conduct heat from the susceptor portion to the processing chamber;
- d) wherein eddy currents induced by the EMF generator are present in the susceptor portion and substantially no eddy currents are present in the conductor portion;

e) wherein:

the susceptor portion includes a first susceptor portion and a second susceptor portion disposed on opposed sides of the processing chamber; and

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the conductor portion includes a first liner disposed between
the first susceptor portion and the processing chamber and a second
liner disposed between the second susceptor portion and the processing
chamber;

f) wherein the second susceptor portion includes a platter region, the heating device further including:

a platter adapted to support the article disposed in the

processing chamber and overlying the platter region; and

an opening defined in the second liner and overlying the platter region

and interposed between the platter region and the platter; and

- g) The heating device of Claim 14-wherein the second liner includes first and second liner members disposed on opposed sides of the platter and each defining a portion of the opening, wherein the first and second liner members are separable.
- 16. (Original): The heating device of Claim 15 wherein at least one of the first and second liner members is separable from the second susceptor portion.
- 17. (Original): The heating device of Claim 1 including a platter adapted to support the article disposed in the processing chamber.
- 18. (Previously presented): The heating device of Claim 17 wherein the EMF generator is configured to generate the electromagnetic field such that:

there are no substantial eddy currents induced in the platter by the electromagnetic field; and

the platter conducts heat from the susceptor portion to the processing chamber.

19. (Original): The heating device of Claim 17 including an opening defined in the conductor portion, wherein the opening is interposed between the susceptor portion and the platter.

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- 20. (Original): The heating device of Claim 17 wherein the platter is adapted to rotate relative to the susceptor portion.
- 21. (Original): The heating device of Claim 1 including an inlet opening and an outlet opening in fluid communication with the processing chamber.
- 22. (Original): The heating device of Claim 21 including a supply of processing gas reactive to heat to deposit SiC.
- 23. (Original): The heating device of Claim 1 wherein the EMF generator is operable to heat the susceptor portion to a temperature of at least 1400°C.
- 24. (Previously presented): A housing assembly for an induction heating device, the housing assembly defining a processing chamber and comprising:
 - a) a susceptor surrounding at least a portion of the processing chamber; and
 - b) a thermally conductive liner interposed between the susceptor and the processing chamber, wherein the liner is separately formed from the susceptor;
 - c) wherein the liner is removable from the susceptor without requiring disassembly of the susceptor.
 - 25. (Original): The housing assembly of Claim 24 including:
- a first susceptor portion and a second susceptor portion disposed on opposed sides of the processing chamber;
 - a first liner disposed between the first susceptor portion and the processing chamber; and
 - a second liner disposed between the second susceptor portion and the processing chamber.

26. (Previously presented): A housing assembly for an induction heating device, the housing assembly defining a processing chamber and comprising:

- a) a susceptor surrounding at least a portion of the processing chamber; and
- b) a thermally conductive liner interposed between the susceptor and the processing chamber, wherein the liner is separately formed from the susceptor;
- c) wherein the susceptor includes a platter region, the housing assembly further including:

a platter adapted to support the article disposed in the processing chamber and overlying the platter region; and an opening defined in the liner and interposed between the platter region and the platter.

- 27. (Currently amended): A housing assembly for an induction heating device, the housing assembly defining a processing chamber and comprising:
 - a) a susceptor surrounding at least a portion of the processing chamber; and
 - b) a thermally conductive liner interposed between the susceptor and the processing chamber, wherein the liner is separately formed from the susceptor;
 - c) wherein the susceptor includes a platter region, the housing assembly further including:

a platter adapted to support the article disposed in the

processing chamber and overlying the platter region; and

an opening defined in the liner and interposed between the

platter region and the platter; and

d) The housing assembly of Claim 26 wherein the liner includes first and second liner members disposed on opposed sides of the platter and

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each defining a portion of the opening, wherein the first and second liner members are separable.

- 28. (Original): The housing assembly of Claim 27 wherein at least one of the first and second liner members is separable from the susceptor.
- 29. (Original): The housing assembly of Claim 24 including means for positively and removably locating the liner relative to the susceptor.
- 30. (Previously presented): A housing assembly for an induction heating device, the housing assembly defining a processing chamber and comprising:
 - a) a susceptor surrounding at least a portion of the processing chamber; and
 - b) a thermally conductive liner interposed between the susceptor and the processing chamber, wherein the liner is separately formed from the susceptor;
 - c) wherein the liner varies in thickness along at least a portion of its length.

Claims 31-42 (canceled).

- 43. (Previously presented): A housing assembly for an induction heating device, the housing assembly defining a processing chamber and comprising:
 - a) a susceptor surrounding at least a portion of the processing chamber; and
 - b) a thermally conductive liner interposed between the susceptor and the processing chamber, wherein the liner is separately formed from the susceptor;
 - c) wherein the susceptor includes a susceptor core of a first material and a susceptor coating of a second material; and

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- d) wherein the second material is selected from the group consisting of refractory metal carbides.
- 44. (Previously presented): The housing assembly of Claim 43 wherein the second material is TaC.
- 45. (Previously presented): The housing assembly of Claim 43 wherein the first material is graphite.
- 46. (New): A heating device for controllably heating an article, the heating device comprising:
- a) a housing assembly defining a processing chamber to hold the article and comprising:
 - a susceptor surrounding at least a portion of the processing chamber; and
 - a thermally conductive liner interposed between the susceptor and the processing chamber, wherein the liner is separately formed from the susceptor; wherein the susceptor includes a platter region, the housing assembly further including:

a platter adapted to support the article disposed in the processing chamber and overlying the platter region; and an opening defined in the liner and interposed between the platter region and the platter; and

wherein the liner includes first and second liner members disposed on opposed sides of the platter and each defining a portion of the opening, wherein the first and second liner members are separable;

- b) an EMF generator configured to induce eddy currents within the susceptor such that substantially no eddy currents are induced in the liner;
- c) wherein the liner is operative to conduct heat from the susceptor to the processing chamber; and

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- d) wherein eddy currents induced by the EMF generator are present in the susceptor and substantially no eddy currents are present in the liner.
- 47. (New): The heating device of Claim 46 wherein at least one of the first and second liner members is separable from the susceptor.